

9450

Installation and User Guide



Compatible Equipment

9040 Internal Sounder

INTRODUCTION

The 9450 is a fully programmable 3 zone control panel with Entry/Exit, PA and Fire zones. The panel is designed specifically for domestic installations. The control unit PCB is built into a polycarbonate box with keypad and eight indicator LEDs on the front of the lid.

Scantronic recommend that you use this system for "bell only" installations.

Technical Specification

Dimensions	h x w x d 163 x 257 x 72mm.
Weight	Approx 1.2kg (without stand-by battery).

Power Supply

System Power Supply	230VAC (Ambient Temp. 20 ° C). 500mA max continuous output.
Quiescent Panel Power	130mA nominal (includes 50mA SAB).
Battery charging current	20mA (1.9AH battery fully charged).
Standby Battery	12 Volt, 1.9AH rechargeable lead-acid, Gel Type battery.

Outputs

Bell, Strobe, and O/P are open collector transistor outputs.

Bell	340mA (max in alarm).
Strobe	150mA (max in alarm).
AUX (for detectors)	350mA, 12VDC.
LS	100mA (suitable for one 16 Ohm speaker max).
Outputs (2)	PIR Set Latch and Shock Sensor Reset.

Note: Drawing more than 820mA output current will open the polyswitch fuse and remove all DC power from the panel.

Wiring

Figure 1 shows the layout of the 9450 PCB and its connector.

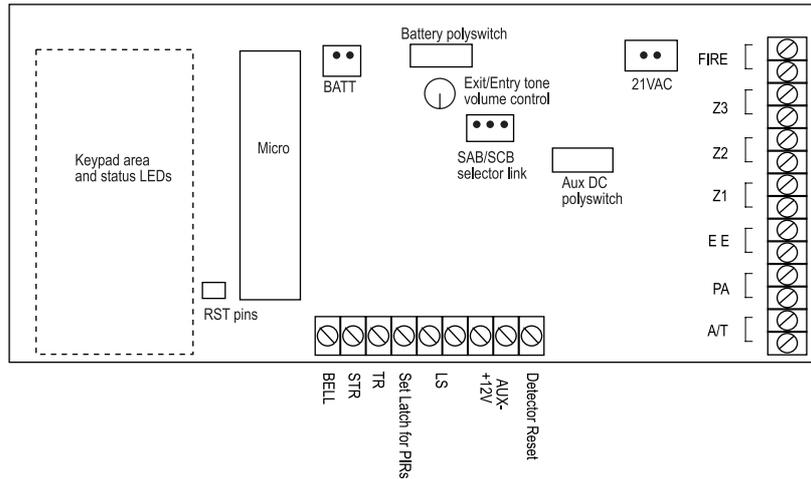


Figure 1. 9450 PCB Layout

Programming

Initial Start Up

Before applying power to the control panel, ensure that all zone circuits are connected (link out any circuits not used). **DO NOT** connect the 12V terminal to the external sounder or 12VAUX terminals to the detectors at this stage.

1. Apply mains to the control panel.
The green power LED lights and the internal sounder will sound. Ignore any other lights.
2. Key-in the factory default user access code: 1234.
The internal sounder stops. Ignore any other lights.
3. Key-in 0 then ENTER followed by the factory default engineer access code: 7890.
The Day LED goes off.
4. Open the control panel lid.
You are now in programming mode.

Changing Default Programming

To change the factory defaults, the panel must be in programming mode. Then:

1. Key in a two digit programming command followed by "ENTER". (See "Engineer Program Command List".)
2. Key in the correct digit for the option you want, and then press ENTER. The panel beeps twice to show that it has accepted the command.

The panel gives a single error tone if you enter an incorrect command (or if you close the lid). Re-enter the correct command.

Engineer Program Command List

To change:	Key-in:	Followed by:	Notes:	Defaults
Engineer Code	20	ENTER new code ENTER	4 digits	7890
User Code 1	21	ENTER new code ENTER	4 digits (see note 1)	1234
Zone 2 Entry Route	36	ENTER 0 ENTER 1 ENTER	Normal Alarm Entry Route	✓
Auto Re-Arm	40	ENTER 1 ENTER 4 ENTER	Never rearm Rearm three times	✓
Bell Time	42	ENTER 1 ENTER 2 ENTER 3 ENTER 4 ENTER	Nil 3 minutes 10 minutes 20 minutes	✓
Entry time	43	ENTER 1 ENTER 2 ENTER 3 ENTER 4 ENTER	20 seconds 40 seconds 1.5 minutes 3 minutes	✓
Exit time	44	ENTER 1 ENTER 2 ENTER 3 ENTER 4 ENTER	10 seconds 30 seconds 1 minute 2 minutes	✓
Walk Test	97	ENTER	Trigger detectors. Press OMIT to exit test.	
Leave Program	99	ENTER	(See note 2.)	

Notes:

1. The end user may change the user code.
2. If the internal sounder activates when you use this command then check the lid tamper, bell tamper, and the global zone anti tamper.

Leaving Programming Mode

1. Connect the battery.
2. Complete the connections between the 12V terminal and the external sounder, and 12VAUX and the detectors.

Note: *The SAB module in the external sounder will continue to ring until the hold off supply is connected, or until the bell cover lid tamper switch is closed.*

3. Close the panel lid.
4. Key in "99 ENTER" to leave programming mode.

You are now in user mode.

To Re-enter Programming Mode

You can re-enter programming mode at any time when the panel is not set or in alarm:

Key-in 0 then ENTER followed by the engineer access code.

Open the control panel lid.

You are now in programming mode.

Restoring Factory Defaults

The control panel can retain all programmed information and access codes if both mains and battery power fail. When power is restored the panel will simply need resetting with the customer or engineer's access code.

If the installer wants to return the panel to the factory default settings, then:

1. Power down the control panel, mains and battery.
2. Locate the pair of Molex pins marked 'RST' near the microcontroller.
3. Place a small screwdriver blade to short between the 'RST' pins.
4. With the blade still across the pins, apply battery power then mains.
The system loads the factory default user and engineer's access codes, and all the program defaults.
5. Remove the screwdriver blade.
6. Key in 1234.
7. Key in 0 then ENTER followed by 7890.
8. You must now reprogram as necessary.

Engineer Walk Test

Allows the engineer to test all devices on the system.

1. Enter programming mode.
2. Key in "97 ENTER".
The panel gives a continuous tone.
3. Open and close each detector contact in turn.
When a detector contact is open the panel gives an interrupted tone and flashes the zone LED.
4. Press OMIT to stop the walk test.

Note that the Engineer's walk test allows you to test all zones including PA zones, zone tampers, and panel and bell tampers. The user's walk test does not allow this.

User Commands

Set/Unset System	User code
Omit zone/Part Set	User code + 2 + Omit and/or 3 + Omit
Test Bells	4 + ENTER + User code The system activates the internal sounder for three seconds, followed by the external sounder for three seconds.
Walk Test	5 + ENTER + User code Key in User code to end test
Change User code	6 + ENTER + current user code new user code + ENTER